

**ENGINEERING AND INFORMATION TECHNOLOGY  
COMMITTEE MEETING SUMMARY MINUTES**

**Wednesday, February 19, 2020**

**4:15 p.m.**

**ATTENDANCE**

Directors: Judy Huang

Staff: Ariz Naqvi, Juni Rotter, Dean Morshed

Public: Kelly Abreu, Fremont resident and co-founder of the Mission Peak Conservancy



**DISCUSSION TOPICS**

1. Cathodic Protection Program: Dean Morshed, Development Services Engineer, provided an overview of basic corrosion, the two main cathodic protection methods (passive and active) and the request for proposals (RFP) that staff is developing to procure consultant services in support of the evaluation of the District's Cathodic Protection Program. The District has approximately 70 miles of steel water mains and several water storage tanks that are protected by rectifiers with impressed current systems. Rectifiers offer ways to extend the life of pipelines, many of which are large transmission mains that are critical to moving water throughout the system. Many of the District's existing cathodic protection facilities are approaching the end of their useful lives and are in need of replacement or maintenance, and with recent retirements, the District no longer maintains the in-house expertise to determine the condition and expected remaining life of these facilities. The RFP intends to leverage consultant services to provide that expertise to the District. Mr. Morshed provided an overview of the three major tasks that will be included in the RFP.

The primary task for the consultant will be a comprehensive analysis of the existing impressed current systems including a survey and assessment of the condition of each system. The assessment will include the review of the District's existing drawings and historical readings of rectifier monitoring and inspection of each rectifier and actively protected facility in the field. The consultant's findings will be included in a report with recommendations for improvements to the rectifiers as well as enhancements to the District's Cathodic Protection Program. Staff intends to include the identified infrastructure improvements in a future Capital Improvement Program update.

The second task is the review of the District's cathodic protection standard drawings and specifications which are used in the design and review of new pipelines and other infrastructure. The District's cathodic protection standard drawings and standard specifications were last updated several years ago and equipment, technologies, and coating systems have changed in the interim years. The consultant will prepare a report listing and describing proposed modifications to the standards and provide recommendations to meet current industry-wide standards and advances in cathodic protection technologies.

The third task will be the development of a Corrosion Monitoring Program (CMP) and training of District staff in the operation and maintenance of the CMP. While the District currently has a remote impressed current monitoring system, the technology used by the

monitoring system is being phased out. The consultant will develop Standard Operating Procedures (SOPs) for the continued monitoring of the impressed current systems and provide training to District staff on the implementation and use of new monitoring systems.

Mr. Morshed provided a tentative schedule for the program and anticipates bringing the award of the resulting professional services agreement to the full Board this summer.

Staff responded to questions from Director Huang.

2. Update on Caltrans Acquisition of District Properties in Niles Canyon: Juni Rotter, Development Services Manager, provided an update on Caltrans' proposed Alameda Creek Bridge No. 33-36 Replacement Project, a project in conjunction with the Niles Road Safety Improvements Project on Highway 84 in Niles Canyon. The Alameda Creek Bridge Replacement Project is intended to realign and replace the existing bridge and the east and west bridge approaches in Niles Canyon. Staff has been working with Caltrans' Real Estate Department regarding the extent of District property that will need to be acquired. Ms. Rotter provided the status of the on-going property acquisition and easement discussions with Caltrans and the requirements to ensure the District's interests are met regarding granting of easements and protection of the Sunol Aqueduct that is located in the hillside near the project. As previously reported to the Committee, Caltrans is proposing to acquire one approximately 17,000 square foot District property which abuts the east side of the existing roadway, an approximately 5,000 square-foot portion of a large District property on the west side of Highway 84 for the new alignment, together with an approximately 3,400 square-foot easement for construction of a permanent soil nail wall, and an approximately 2,700 square-foot portion for a temporary construction easement. The District has no operational use for this portion of the District property and no impacts are anticipated to the Sunol Aqueduct in this area. Staff anticipates presenting the grant deeds and easements to the Board at an upcoming Board meeting for action.

Staff responded to questions from Director Huang.

3. Review of Surplus District Properties: Juni Rotter, Development Services Manager, provided a brief update on the status of the District's Deer Road property and Bishop Avenue property. The Board took action at the February 13<sup>th</sup>, 2020, Board meeting to re-affirm the surplus status of the two properties. Staff is now in the process of completing the notifications required to certain public agencies and affordable housing sponsors related to the availability of both properties for sale or lease. Staff anticipates advertising the Bishop Avenue property for sale within the next year, if there is no interest from public agencies or housing sponsors.

With respect to the Deer Road property, Ms. Rotter reported that staff remains in discussions with the San Francisco Public Utilities Commission (SFPUC) on the potential joint marketing approach for the sale of the District property and SFPUC's adjacent Niles Reservoir property. This joint marketing approach may provide a better opportunity for the sale of both properties. Staff will continue discussions with SFPUC on the marketing terms for the Deer Road property.

Staff responded to questions from Director Huang.

3. Public Comments: Mr. Abreu indicated he is an advocate for bike and pedestrian travel along Niles Canyon Road and is encouraging Caltrans to consider this in their bridge design.

### **RECOMMENDATIONS**

Topics discussed by the Committee were informational only, and no recommendations are being made.